

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DE2004/001704

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12P21/00 C07K1/107 C07K5/12 C07K7/06 C07K7/50  
C07K7/64 A61K38/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12P C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CAB Data, Sequence Search, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/05815 A (LILLY CO ELI ; KREUZMAN ADAM JOSEPH (US); KULANTHAIVEL PALANIAPPAN (US) 25 January 2001 (2001-01-25) claims 1-11	15
X	WO 02/085401 A (HONG TERESA B ; WARING ALAN J (US); LEHRER ROBERT I (US); UNIV CALIFOR) 31 October 2002 (2002-10-31) page 15, line 9 - page 18, line 5; claims 1-19	15
A	US 2002/192773 A1 (MARAHEIL MOHAMMED A ET AL) 19 December 2002 (2002-12-19) cited in the application the whole document	

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the international search

10 November 2004

Date of mailing of the international search report

23/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KOHLI RAHUL M ET AL: "Generality of peptide cyclization catalyzed by isolated thioesterase domains of nonribosomal peptide synthetases" BIOCHEMISTRY, vol. 40, no. 24, 19 June 2001 (2001-06-19), pages 7099-7108, XP002304805 ISSN: 0006-2960 the whole document	
A	----- TSENG CLAIRE C ET AL: "Characterization of the surfactin synthetase C-terminal thioesterase domain as a cyclic depsipeptide synthase." BIOCHEMISTRY, vol. 41, no. 45, 12 November 2002 (2002-11-12), pages 13350-13359, XP002304806 ISSN: 0006-2960 the whole document	
A	----- KEATING T A ET AL: "Chain termination steps in nonribosomal peptide synthetase assembly lines: directed acyl-S-enzyme breakdown in antibiotic and siderophore biosynthesis." CHEMBIOCHEM : A EUROPEAN JOURNAL OF CHEMICAL BIOLOGY. 2 FEB 2001, vol. 2, no. 2, 2 February 2001 (2001-02-02), pages 99-107, XP002304807 ISSN: 1439-4227 the whole document	
A	----- WO 98/28434 A (SCRIPPS RESEARCH INST ; BARK STEVEN J (US); CANNE LYNNE (US); DAWSON P) 2 July 1998 (1998-07-02) cited in the application the whole document	
A	----- WO 96/34878 A (SCRIPPS RESEARCH INST ; DAWSON PHILIP E (US); MUIR TOM W (US); KENT ST) 7 November 1996 (1996-11-07) cited in the application the whole document ----- -/--	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	<p>GRUENEWALD JAN ET AL: "Chemo- and regioselective peptide cyclization triggered by the N-terminal fatty acid chain length: The recombinant cyclase of the calcium-dependent antibiotic from <i>Streptomyces coelicolor</i>."</p> <p>BIOCHEMISTRY, vol. 43, no. 10, 16 March 2004 (2004-03-16), pages 2915-2925, XP002304808 ISSN: 0006-2960 the whole document</p> <p>-----</p>	1-16

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0105815	A	25-01-2001	AU 5310600 A BR 0012481 A CA 2378868 A1 CN 1361791 T EP 1198471 A1 HU 0202315 A2 JP 2003505042 T MX PA02000458 A NO 20020183 A WO 0105815 A1	05-02-2001 02-04-2002 25-01-2001 31-07-2002 24-04-2002 28-10-2002 12-02-2003 02-07-2002 13-03-2002 25-01-2001
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